

Time	Author	Title
Monday		
9h30-10h20	Registration and coffee	
10h25-10h30	Foreword	
10h30-11h15	Tracy Northup	Nanoparticles levitated in an ion trap: steps toward quantum control
11h15-11h45	Morning break	
11h45-12h15	Bruno Melo	Nanoparticle control with a hybrid optical-electrostatic chip
12h15-13h00	Juan Manuel Cornejo	Quantum logic and precision measurements with 9Be^+ ions
13h00-16h30	Lunch break	
16h30-17h15	Witlief Wieczorek	A superconducting microsphere magnetically levitated on a chip at millikelvin temperatures
17h15-17h45	Afternoon break	
17h45-18h30	Vanessa Wachter	Spin-Rotation Coupling in Levitated Nanodiamonds with Single Nitrogen-Vacancy Centers
18h30-19h00	Andrea Vinante	Magnetometry and gyroscopic effects in levitated ferromagnets
19h15- ...	Poster session/reception	Poster session along with food and drinks

Tuesday		
10h30-11h15	Andrew Geraci	Optical trapping and cooling of high-aspect-ratio dielectric objects for precision sensing and fundamental physics
11h15-11h45	Morning break	
11h45-12h15	Thomas Penny	Mechanical detection of nuclear decays
12h15-13h00	Julen Pedernales	Testing the quantumness of gravity without entanglement
13h00-16h15	Lunch break	
16h15-17h00	Olivier Arcizet	Cavity nano-optomechanics with ultrasensitive force sensors: towards the single photon regime
17h00-17h30	Mario A. Ciampini	Fast Quantum Interference of a Nanoparticle via Optical Potential Control
17h30-18h00	Coffee break	
18h00-18h30	Sungkun Hong	Levitated optomechanics with nanophotonic interface

Wednesday		
10h30-11h15	Jack Harris	Magnetically levitated liquid helium drops: new regimes for superfluids and optomechanics
11h15-11h45	Morning break	
11h45-12h15	Alex Fontana	Force sensing with a nanoparticle in a rotating trap
12h15-13h00	Piotr T. Grochowski	Quantum control of levitated nanoparticles in nonharmonic potentials
13h00-16h15	Lunch break	
16h15-17h00	Kiyotaka Aikawa	Time-of-flight velocity measurements for a levitated nanoparticle under the feedback control of its six degrees of freedom
17h00-18h00	Coffee and posters	
18h00-18h30	Lorenzo Dania	Ground-state cooling of the angular oscillations of a levitated anisotropic nanoparticle
18h30-19h00	Alexander Wood	Classical rotation of quantum spins and quantum rotations of classical particles

Thursday		
10h30-11h15	Adrian Bachtold	Nonlinearities in mechanical resonators approaching the quantum regime
11h15-11h45	Morning break	
11h45-12h15	Lea Marti	Towards Magic Angle Spinning Magnetic Resonance on Optically Levitated Particles
12h15-13h00	Maria Fuwa	Ferromagnetic levitation of a milligram-size Yttrium Iron garnet sphere
13h00-17h00	Lunch break	
17h00-19h30	Afternoon discussions	<i>Coffee break at 18h00</i>
20h00- ...	Restaurant La Llardana	<i>Optional diner at La Llardana (50€ per person)</i>

Friday		
10h30-11h15	Uros Delić	Collective effects in a nonreciprocally interacting particle tweezer array
11h15-11h45	Morning break	
11h45-12h30	Matteo Fadel	A nonlinear mechanical oscillator in the quantum regime
12h30-13h00	James Milen	Neuromorphic detection and control of interacting arrays of microparticles
13h00-16h30	Lunch break	
16h30-17h15	Benjamin Stickler	Non-reciprocal interactions and entanglement between optically levitated nanoparticles
17h15-17h45	Coffee break	
17h45-18h30	Jayadev Vijayan	Cavity quantum optomechanics with multiple levitated nanoparticles
18h30-18h45	Closing remarks	